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(54) Title: ADDITIVE FOR HYDRAULICALLY SETTING SYSTEMS, THE HYDRAULICALLY SETTING MIXTURES AND THE USE THEREOF

(57) Abstract: The invention relates to an additive for hydraulically setting systems based on modified polycarboxylates and water-soluble ethers of high polymeric polysaccharides, optionally containing further standard additives, characterized by a content of a) a water-soluble ether of cellulose or a cellulose-like compound with a viscosity of at least approximately 1,000 mPas, particularly at least approximately 2,000 mPas, measured as a 2% aqueous solution with a Brookfield viscosimeter at 20°C and 20 rpm and b) a polycarboxylate, whose main chain is linked by means of ester, ether, imide and/or amide groups with polyethylene oxide-containing side chains. The invention also relates to hydraulic mixtures having a content of the above additive and the use thereof. Using the additive according to the invention in hydraulically setting systems comparable and in part much better characteristics are obtained compared with casein-containing formulations, such as a rheological flow behaviour comparable to casein, but with improved water retention.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C04B28/02 C04B24/26 C04B24/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal

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Patent family members are listed in annex.

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